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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of: **Ketola**

Art Unit: **2685**

Serial No. **09/722,616**

Examiner: **S. Nguyen**

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Supervisory Examiner: **E. Urban**

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For: **Synchronously Shared Online Documents**

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Technology Center 2600

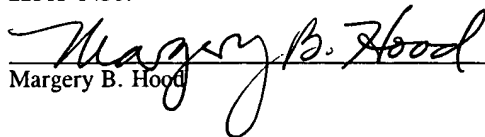
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RESPONSE TO NON-FINAL OFFICE ACTION

Sir:

The Office Action dated November 28, 2003 has been received and its contents carefully studied. Reconsideration of the non-final rejections is respectfully requested in view of the following remarks, and amendments.

I hereby certify that this correspondence is being deposited today, February 19, 2004, with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Director, U.S. Patent and Trademark Office, Mail Stop AMENDMENT - ~~XXXXXX~~, P.O. Box 1450, Alexandria, VA 22313-1450.


Margery B. Hood

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1. (Currently Amended) A system, within a wireless telecommunications network, comprising:
- at least one master mobile terminal (12a), each of which is responsive to user input, and each of which is for providing an outgoing radio signal (264), wherein the outgoing radio signal synchronously shares information about at least one internally controlled shared document that is exclusively controlled by the master mobile terminal; and
 - at least one slave terminal (12b or 18), responsive to the outgoing radio signal (264), for providing an external document display signal (226),
wherein the external document display signal provides a synchronous view of the internally controlled shared document as the master terminal manipulates or updates the internally controlled shared document.
2. (Original) The system as in claim 1, further comprising means for audio discussion simultaneous with real-time document sharing.
3. (Currently Amended) A mobile terminal (12a) equipped with an antenna for transmitting an outgoing radio signal (264) and for receiving an incoming radio signal (266), in a wireless telecommunications system, comprising:
- an input device (210), responsive to user input, for providing an internal document manipulation signal (213), wherein the internal document manipulation signal is for exclusively manipulating at least one internally controlled shared document that is synchronously shared with at least one other terminal (12b or 18);
 - a receiver (270), responsive to the incoming radio signal (266), for forwarding an external document manipulation signal (256), wherein the external document manipulation signal is for exclusively manipulating at least one externally controlled shared document that is synchronously shared with the at least one other terminal;
 - a signal processor (221), responsive to the external document manipulation signal (256) and the internal document manipulation signal (213), for providing a synchronized

internal document sharing signal (236), an internal document display signal (244), and an external document display signal (226);

a transmitter (268), responsive to the synchronized internal document sharing signal (236), for providing the outgoing radio signal (264); and

a display (238), responsive to the internal document display signal (244) and the external document display signal (226), for providing visual communication to the user,

wherein the visual communication provides a synchronous view of the at least one externally controlled shared document as the at least one other terminal manipulates or updates the at least one externally controlled shared document.

4. (Original) The mobile terminal (12a) of claim 3, wherein the mobile terminal is capable of being a slave terminal and is also capable of being a master terminal, with respect to different shared documents concurrently.
5. (Original) The mobile terminal (12a) of claim 3, wherein the mobile terminal is capable of being a slave terminal and is also capable of being a master terminal, but at different times only.
6. (Original) The mobile terminal (12a) of claim 3, wherein:
- the mobile terminal further comprises a speaker (228), responsive to a speaker signal (272), for providing audio output to the user;
 - the mobile terminal further comprises a microphone (217), responsive to oral input, for providing an audio input signal (219);
 - the receiver is also for providing a received audio signal (274);
 - the signal processor is also responsive to the received audio signal (274), and responsive to the audio input signal (219), and is also for providing an outgoing audio signal (239), and for providing a speaker signal (272); and
 - the transmitter is also responsive to the outgoing audio signal (239).

7. (Original) The mobile terminal of claim 6, wherein the mobile terminal (12a) is capable of supporting an audio conversation in real time, simultaneously with real time document sharing.
8. (Original) The mobile terminal (12a) of claim 3, wherein the display (238) is capable of superimposing the at least one internally controlled shared document with the at least one externally controlled shared document, thereby allowing two or more documents controlled by different controlling terminals (12a and either 12b or 18) to be superimposed over each other.
9. (Original) The mobile terminal (12a) of claim 8, wherein the at least one internally controlled shared document and the at least one externally controlled shared document comprise calendar documents, wherein the calendar documents are superimposed in real time, and wherein the display changes in real time as the controlling terminals respectively manipulate the calendar documents.
10. (Currently Amended) A mobile terminal (12a) equipped with an antenna for transmitting an outgoing radio signal (264) and for receiving an incoming radio signal (266), in a wireless telecommunications system, comprising:
an input device (210), responsive to user input, for providing an internal document manipulation signal (213), wherein the internal document manipulation signal is for exclusively manipulating at least one internally controlled shared document that is synchronously shared with at least one other terminal (12b or 18);
a receiver (270), responsive to the incoming radio signal (266), for forwarding an external document manipulation signal (256), wherein the external document manipulation signal is for exclusively manipulating at least one externally controlled shared document that is synchronously shared with the at least one other terminal;
a signal processor (221), responsive to the external document manipulation signal (256) and the internal document manipulation signal (213), for providing a synchronized

internal document sharing signal (236), an internal document display signal (244), and an external document display signal (226);

a transmitter (268), responsive to the synchronized internal document sharing signal (236), for providing the outgoing radio signal (264); and

a display (238), responsive to the internal document display signal (244) and the external document display signal (226), for providing visual communication to the user,

~~The mobile terminal of claim 3~~ wherein the signal processor (221) comprises:

external shared document memory means (320), responsive to the external document manipulation signal (256), for providing the external document display signal (226); and

internal shared document memory means (314), responsive to the internal document manipulation signal (213), for providing the internal document display signal (244) and for providing the synchronized internal document sharing signal (236).

11. (Original) The mobile terminal of claim 10, wherein the external shared document memory means (320) is capable of including a group of synchronously updated documents which mirrors a corresponding group of documents at an information center (460), said at least one other terminal (12b or 18) comprising said information center (460), and said at least one externally controlled shared document comprising said group of synchronously updated documents.

12. (Original) The mobile terminal of claim 10, wherein the internal shared document memory means (314) is capable of including a group of internal documents which is mirrored by a corresponding group of documents at an information center (460), said at least one other terminal (12a or 18) comprising said central information center (460), and said at least one internally controlled shared document comprising said group of internal documents.

13. (Original) The mobile terminal of claim 6 wherein the signal processor (221) comprises:

external shared document memory means (320), responsive to the external document manipulation signal (256), for providing the external document display signal (226);

internal shared document memory means (314), responsive to the internal document manipulation signal (213), for providing the internal document display signal (244) and for providing the synchronized internal document sharing signal (236);

incoming audio processing means (376), responsive to the received audio signal (274), for providing a speaker signal (272); and

outgoing audio processing means (382), responsive to the audio input signal (219), for providing the outgoing audio signal (239).

14. (Currently Amended) A method of sharing information in a wireless telecommunications network, comprising the steps of:

providing an outgoing radio signal (264) in response to user input, wherein the outgoing radio signal synchronously shares information about at least one internally controlled shared document, and

providing an external document display signal (226) in response to the outgoing radio signal (264),

wherein the external document display signal provides a synchronous view of the internally controlled shared document as the internally controlled shared document is manipulated or updated.

15. (Original) The method of claim 14, further comprising the step of conducting audio discussion simultaneous with real-time document sharing.